

WHAT IS CLAIMED IS:

1. A fuel supply apparatus for use with a fuel cell,
the apparatus comprising:
a mounting unit for mounting the fuel cell;
a fuel supplying unit for supplying fuel to the mounted
fuel cell; and
a water-suctioning unit for suctioning water produced
inside the fuel cell.
2. The apparatus according to claim 1, wherein the
fuel of the fuel supply unit is contained in a replaceable
cartridge.
3. The apparatus according to claim 1, wherein said
water-suctioning unit includes means for vaporizing the
suctioned water.
4. The apparatus according to claim 1, further
comprising a detecting unit for detecting that the fuel cell
is mounted on said mounting unit so as to perform fuel
supplying and water suctioning according to the detection
results.
5. The apparatus according to claim 1, wherein the

fuel cell is used in a portable device.

6. A fuel cell that generates power using fuel and oxygen and discharges water produced as a result of power generation, the fuel cell comprising:

a fuel supply unit into which fuel is supplied; and
a water-discharging unit for discharging water,
wherein access to said fuel supply unit and said water-discharging unit is provided at the same face of the fuel cell.

7. The fuel cell according to claim 6, wherein the fuel cell is used in a portable device.

8. A fuel supply system for fuel cells, the system comprising:

a fuel cell that generates power using fuel and oxygen and discharges water produced as a result of power generation; and

a fuel supply apparatus for supplying fuel to said fuel cell,

wherein

(A) said fuel cell comprises a fuel supply unit into which fuel is supplied and a water discharging unit for discharging water, wherein access to said fuel supply unit

and said water-discharging unit is provided at the same face of said fuel cell; and

(B) said fuel supply apparatus comprises a mounting unit for mounting the fuel cell; a fuel supply unit for supplying fuel to the mounted fuel cell; and a water-suctioning unit for suctioning water produced inside the fuel cell.

9. The fuel supply system according to claim 8, wherein said mounting unit includes a mounting face for receiving said fuel cell and a detector for detecting the presence of said fuel cell.

10. The fuel supply system according to claim 9, wherein said mounting face further includes a fuel supplying pin and a water suctioning pin to be received in said fuel cell.

11. The fuel supply system according to claim 8, wherein said fuel supply unit includes a fuel supply driver and a fuel supply pin, with said fuel supply driver supplying fuel from a cartridge into said fuel cell through said fuel supply pin.

12. The fuel supply system according to claim 8,

driver, a water suctioning pin, and an evaporation section.

13. A fuel supply apparatus for use with a fuel cell, comprising:

a mounting unit for mounting the fuel cell;

fuel supplying means for supplying fuel to the mounted fuel cell; and

water-suctioning means for suctioning water from the fuel cell,

wherein said fuel supplying means and said water suction means function substantially simultaneously.